

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF010418\  
 Data File : BF101888.D  
 Acq On : 4 Jan 2018 14:04  
 Operator : SJ/JU  
 Sample : PB105473BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105475BL

Quant Time: Jan 04 14:47:51 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 04 14:22:17 2018  
 Response via : Initial Calibration

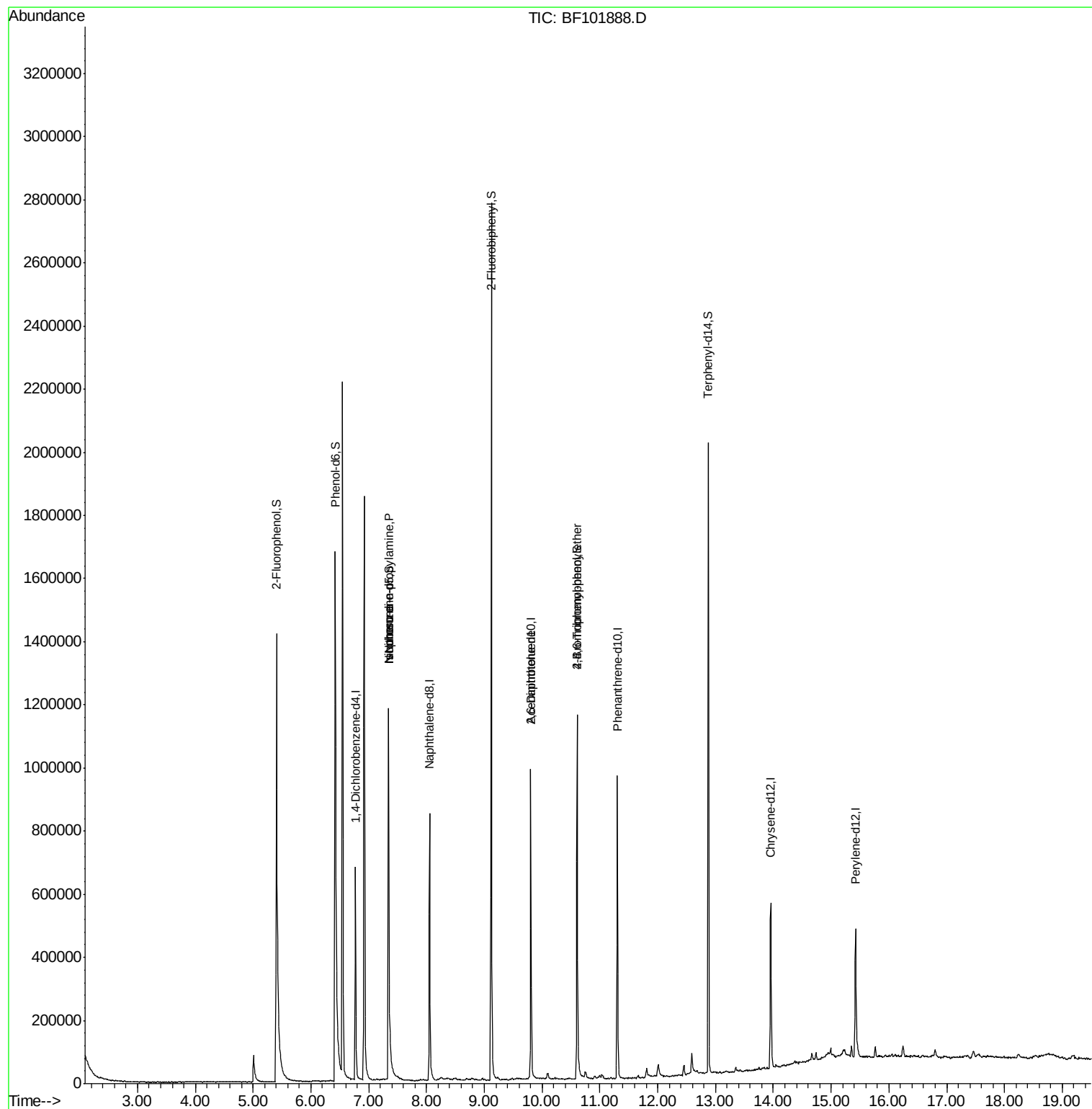
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 114300   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 460191   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.80  | 164  | 211401   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 381493   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.96 | 240  | 215769   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.42 | 264  | 238528   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 740023   | 96.44  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.42  | 99   | 896401   | 93.87  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 545842   | 66.03  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 160121   | 78.61  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.12  | 172  | 955080   | 70.08  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.88 | 244  | 747206   | 83.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 71682    | 11.430 | ng    | # 80     |
| 25) Isophorone                 | 7.34  | 82   | 545842   | 32.913 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 27010    | 7.815  | ng    | # 26     |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 10161    | 2.370  | ng    | # 1      |

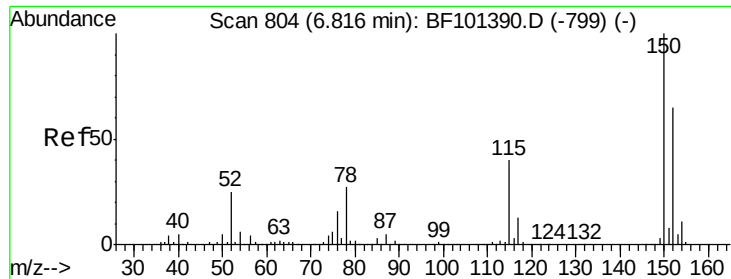
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_F\DATA\BF010418\  
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Acq On : 4 Jan 2018 14:04  
Operator : SJ/JU  
Sample : PB105473BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB105475BL

Quant Time: Jan 04 14:47:51 2018  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 04 14:22:17 2018  
Response via : Initial Calibration



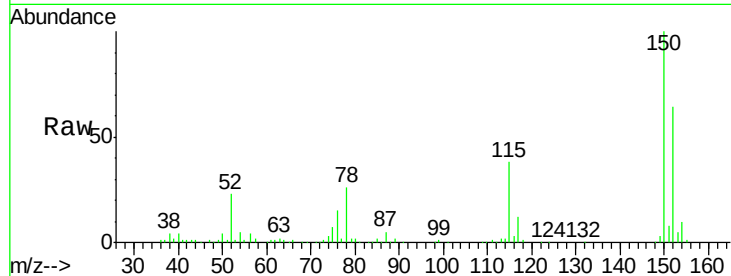


#1

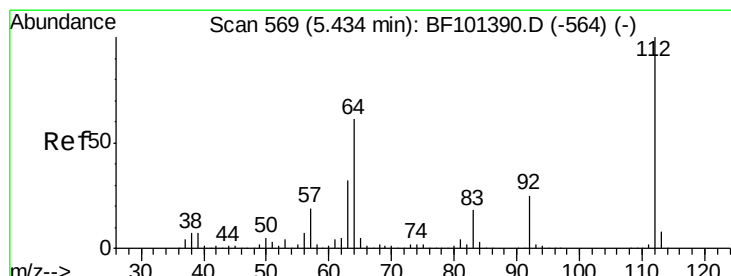
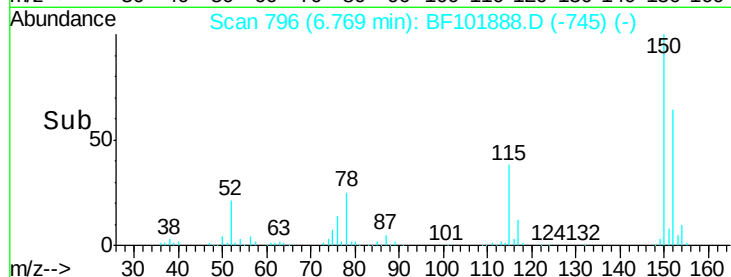
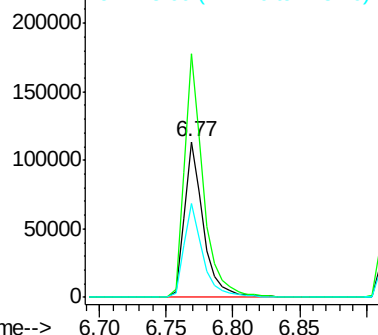
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.00 min  
Lab File: BF101888.D  
Acq: 4 Jan 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB105475BL

Tgt Ion:152 Resp: 114300  
Ion Ratio Lower Upper  
152 100  
150 156.5 124.6 186.8  
115 60.1 50.1 75.1



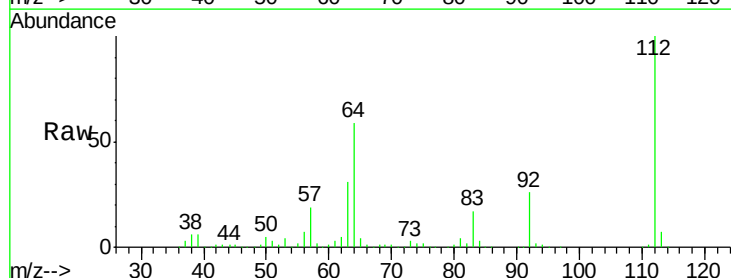
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



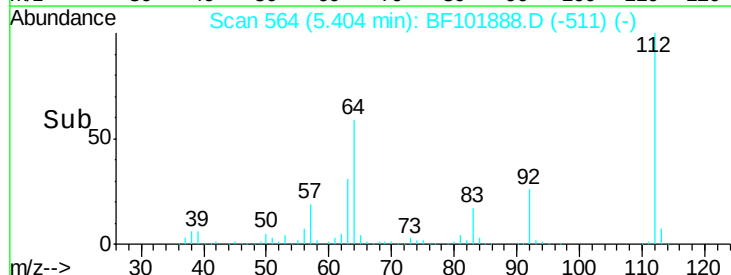
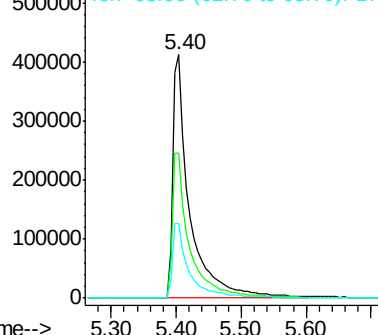
#5

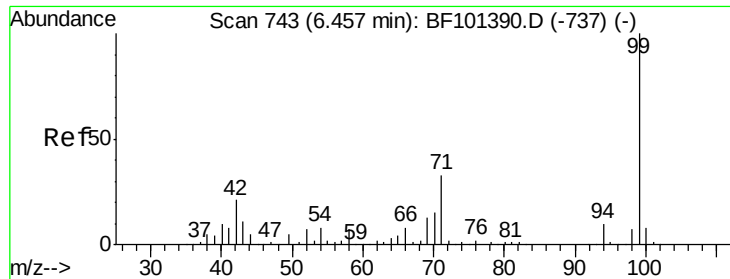
2-Fluorophenol  
Concen: 96.441 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BF101888.D  
Acq: 4 Jan 2018 14:04

Tgt Ion:112 Resp: 740023  
Ion Ratio Lower Upper  
112 100  
64 59.5 47.9 71.9  
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.867 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB105475BL

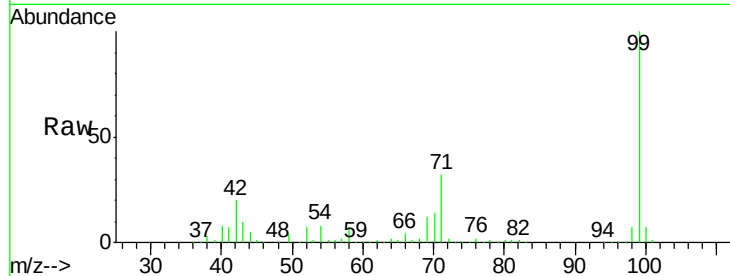
Tgt Ion: 99 Resp: 896401

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

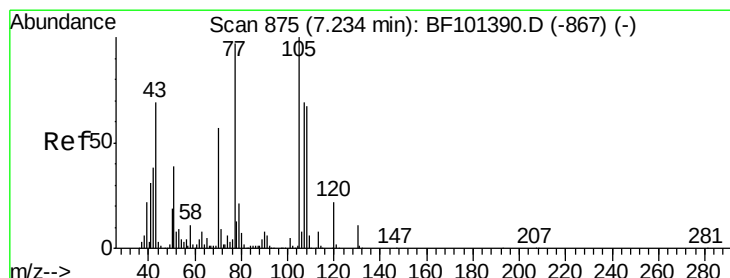
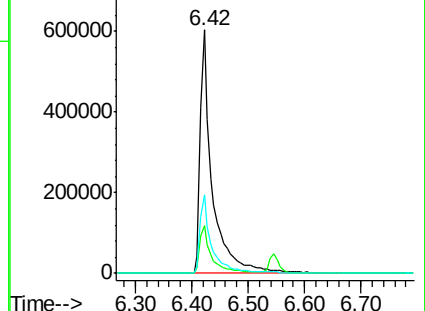
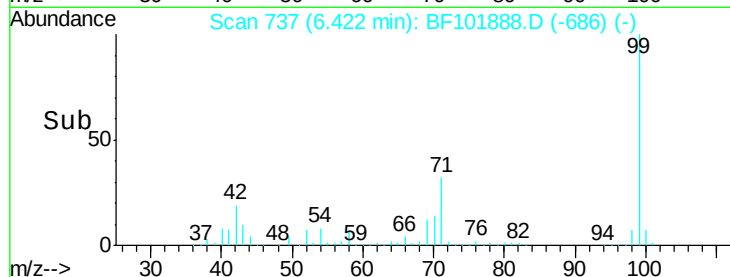
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.430 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.16 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

Tgt Ion: 70 Resp: 71682

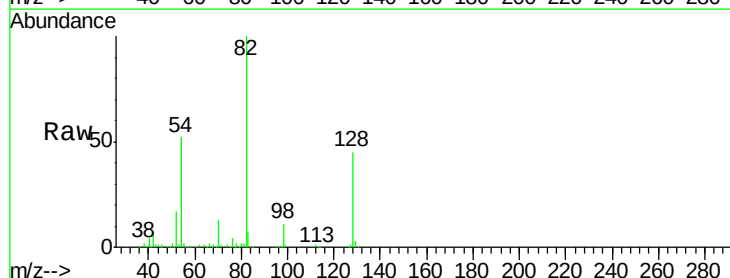
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

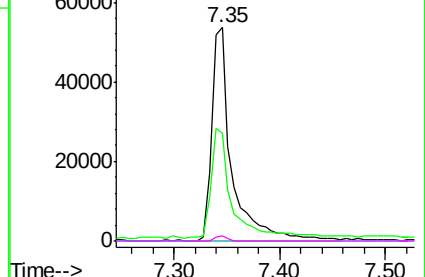
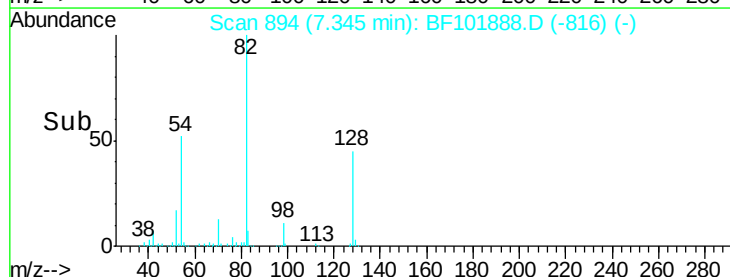


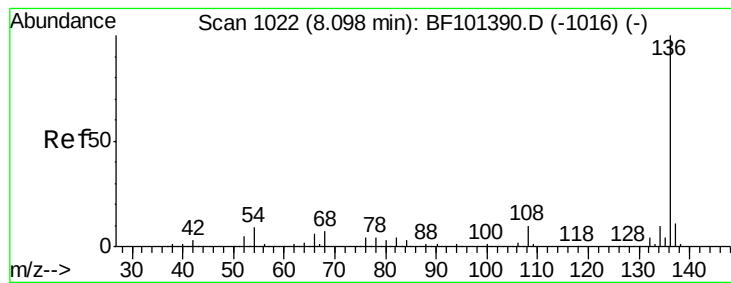
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB105475BL

Tgt Ion: 136 Resp: 460191

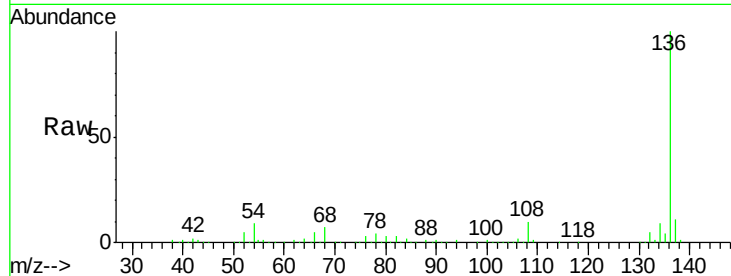
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.9 6.6 9.8

68 6.7 5.0 7.4

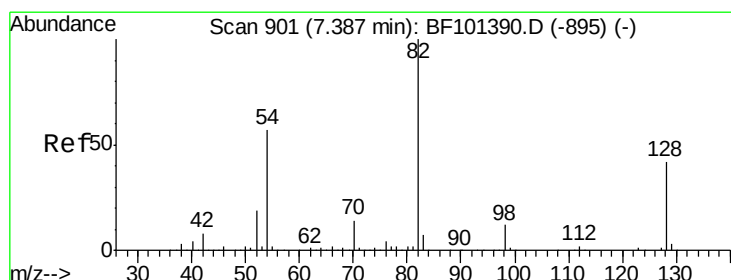
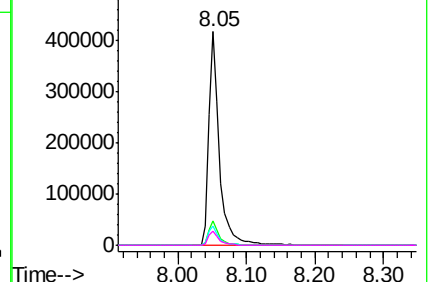
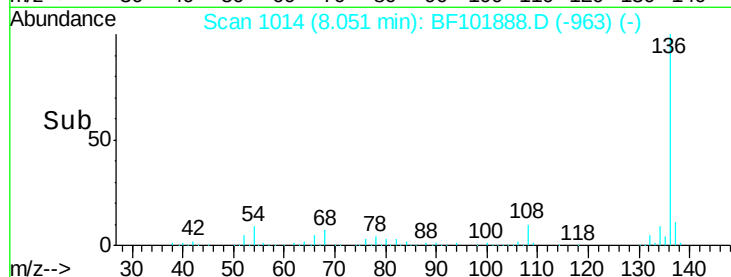


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 66.026 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

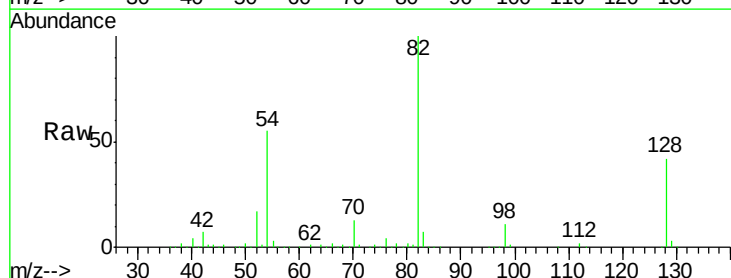
Tgt Ion: 82 Resp: 545842

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

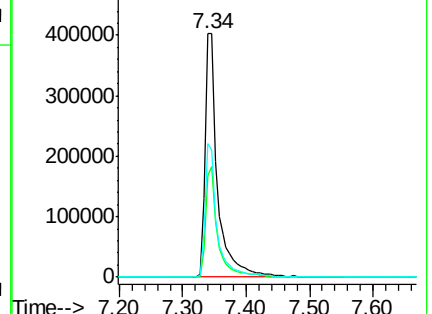
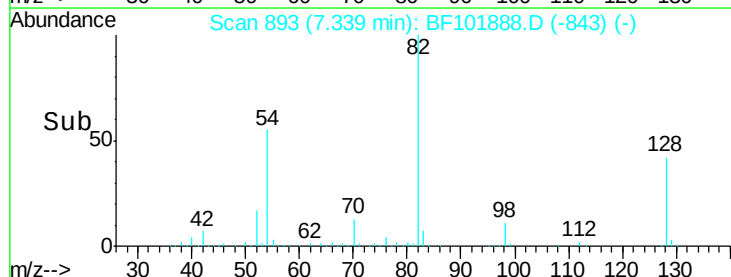
54 54.7 41.4 62.2

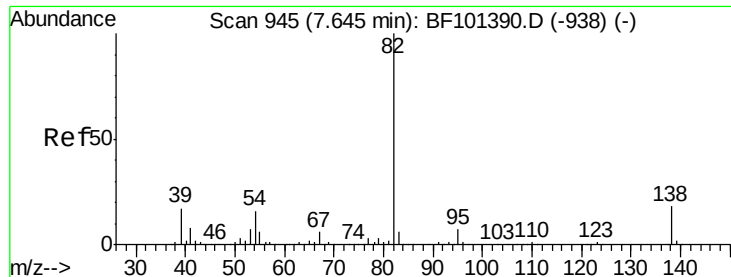


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.913 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB105475BL

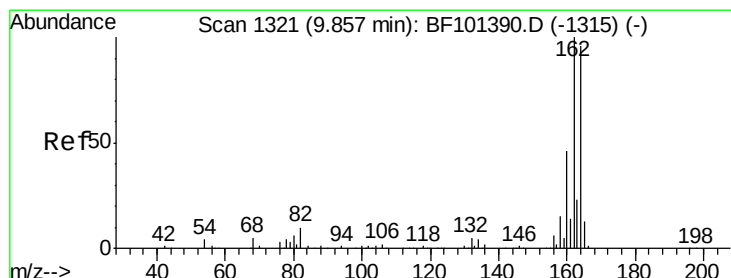
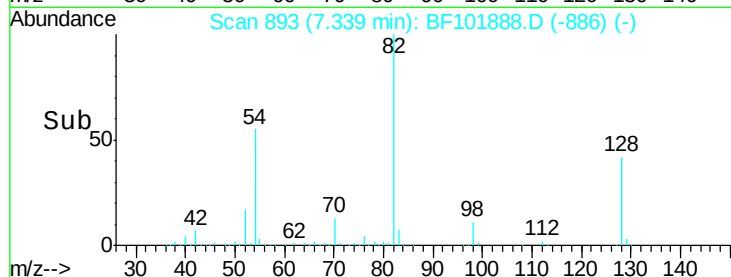
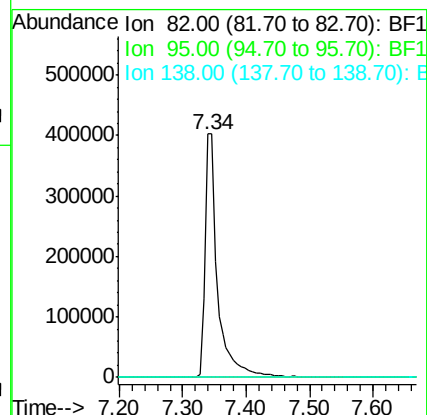
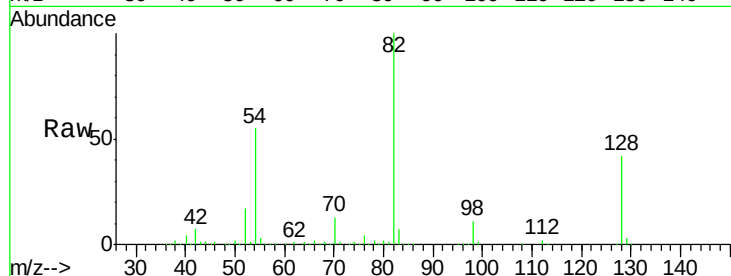
Tgt Ion: 82 Resp: 545842

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

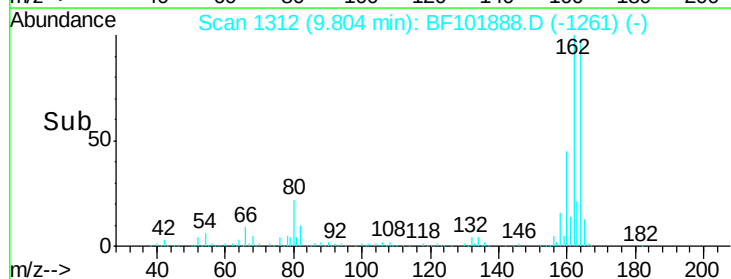
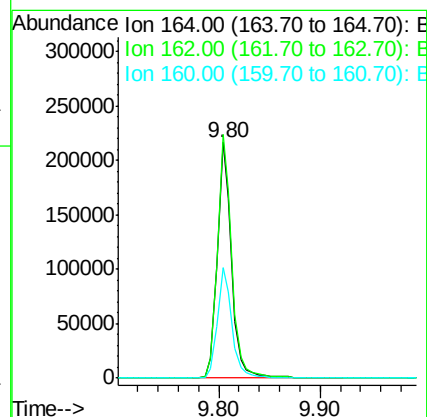
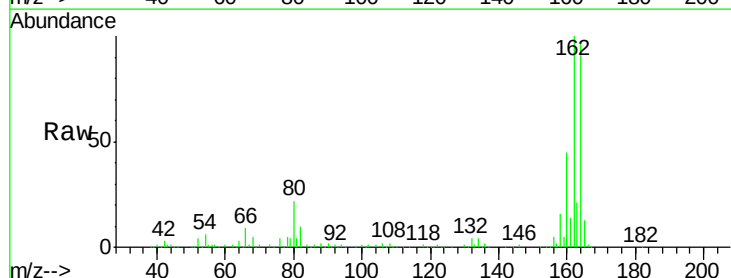
Tgt Ion: 164 Resp: 211401

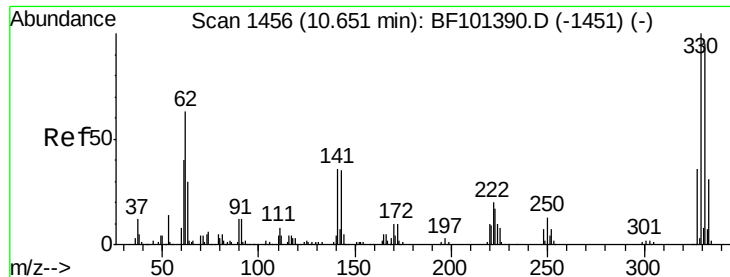
Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

160 46.8 38.3 57.5

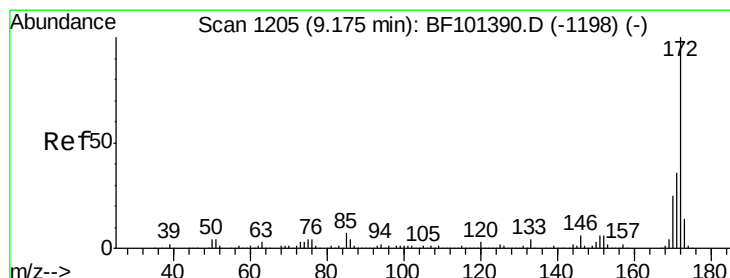
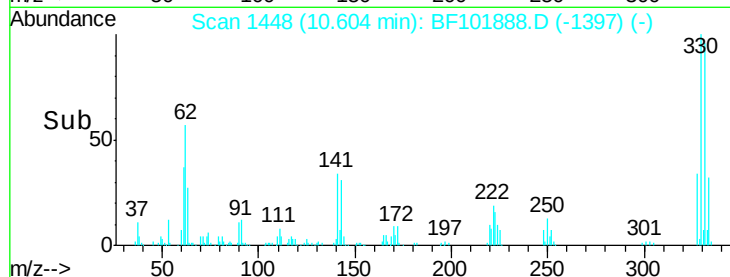
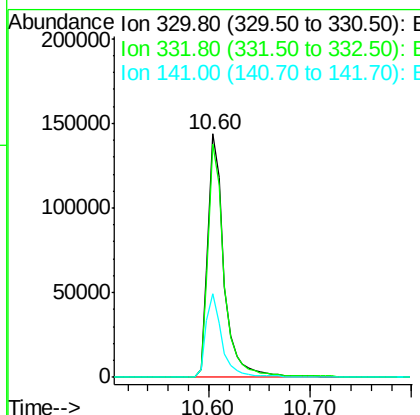
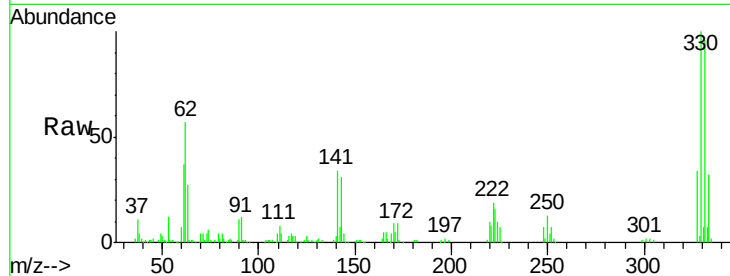




#41  
 2,4,6-Tribromophenol  
 Concen: 78.606 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.00 min  
 Lab File: BF101888.D  
 Acq: 4 Jan 2018 14:04

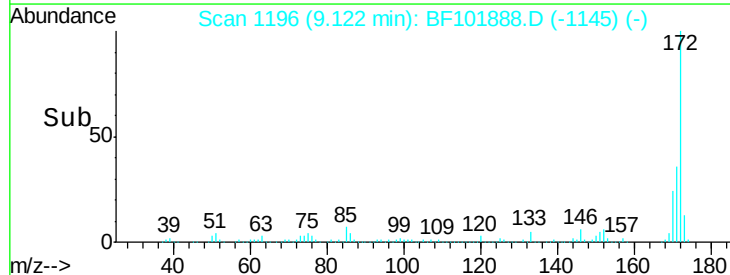
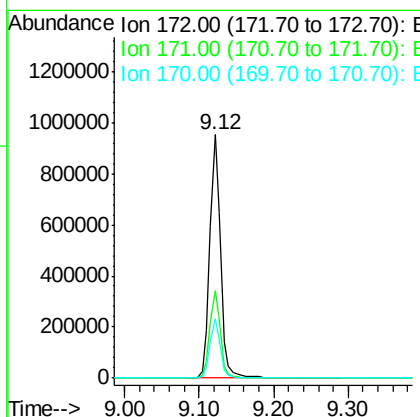
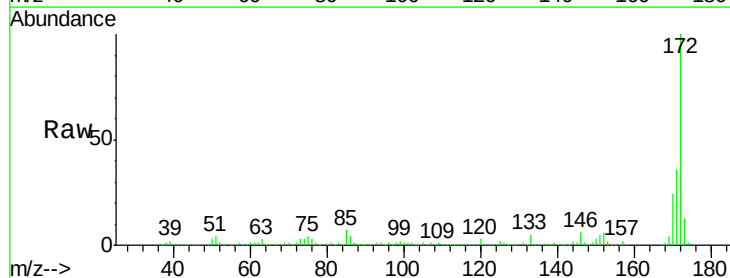
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105475BL

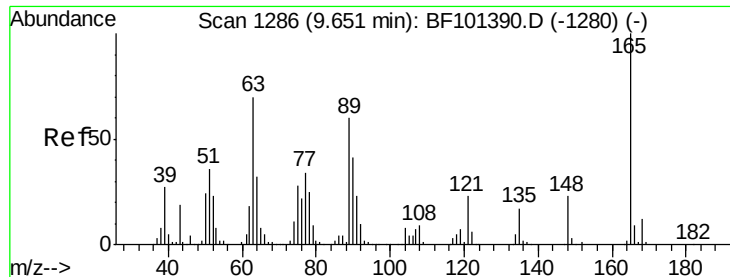
Tgt Ion:330 Resp: 160121  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 34.4 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 70.083 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.00 min  
 Lab File: BF101888.D  
 Acq: 4 Jan 2018 14:04

Tgt Ion:172 Resp: 955080  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.2 19.6 29.4

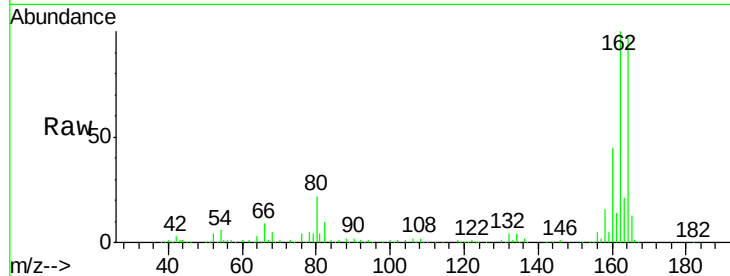




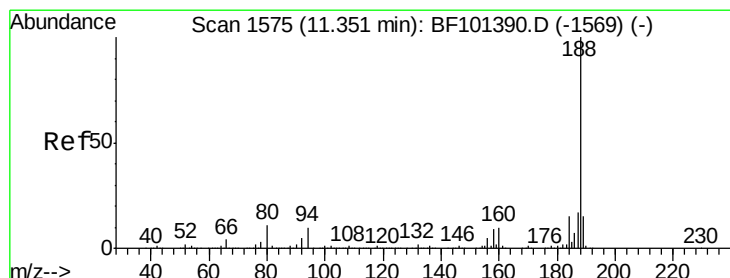
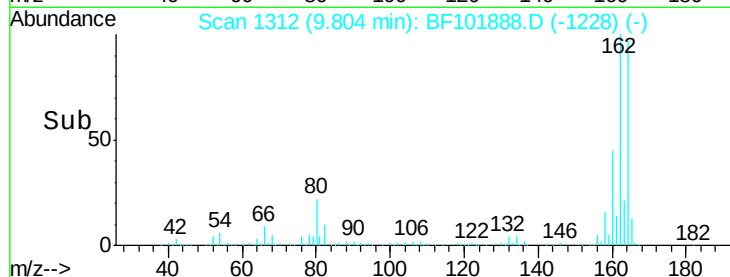
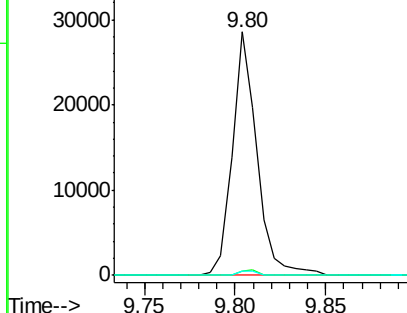
#50  
 2,6-Dinitrotoluene  
 Concen: 7.815 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. 0.19 min  
 Lab File: BF101888.D  
 Acq: 4 Jan 2018 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105475BL

Tgt Ion:165 Resp: 27010  
 Ion Ratio Lower Upper  
 165 100  
 63 1.8 44.7 67.1#  
 89 1.7 44.0 66.0#

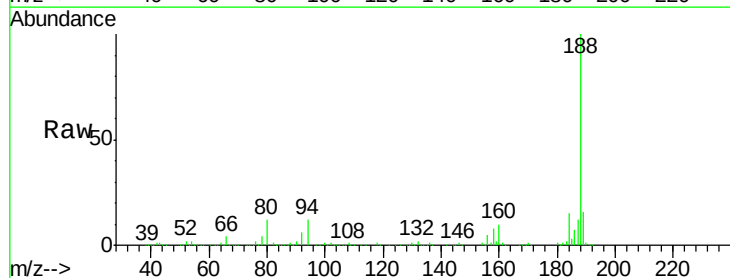


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

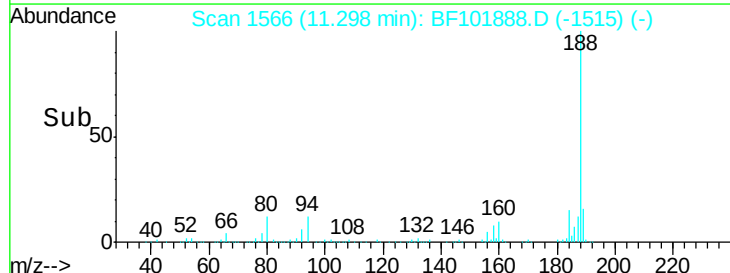
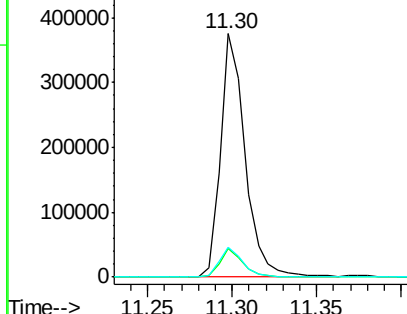


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: BF101888.D  
 Acq: 4 Jan 2018 14:04

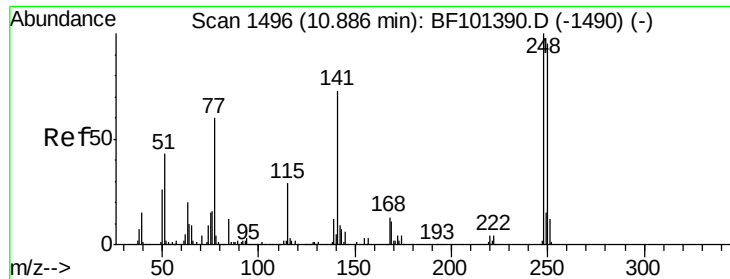
Tgt Ion:188 Resp: 381493  
 Ion Ratio Lower Upper  
 188 100  
 94 11.6 8.5 12.7  
 80 12.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1



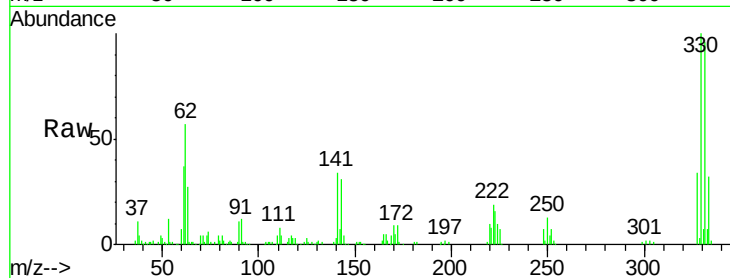




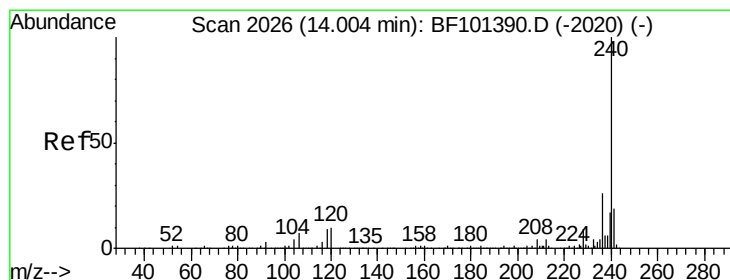
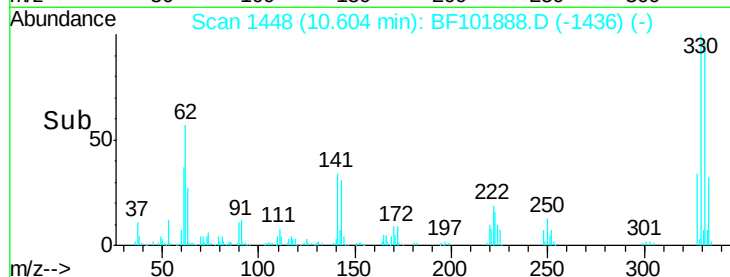
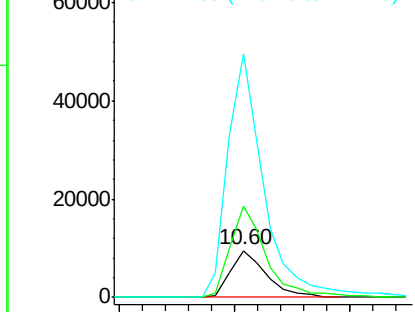
#66  
4-Bromophenyl-phenylether  
Concen: 2.370 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.23 min  
Lab File: BF101888.D  
Acq: 4 Jan 2018 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
PB105475BL

Tgt Ion:248 Resp: 10161  
Ion Ratio Lower Upper  
248 100  
250 193.4 76.9 115.3#  
141 516.7 74.4 111.6#

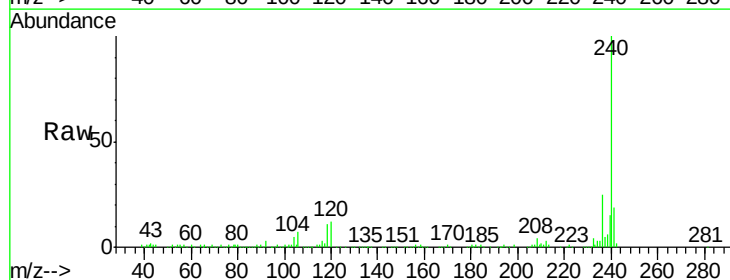


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

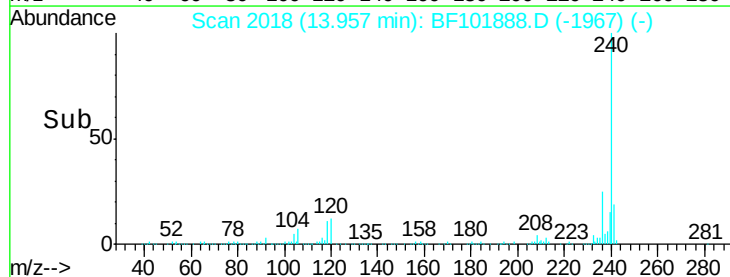
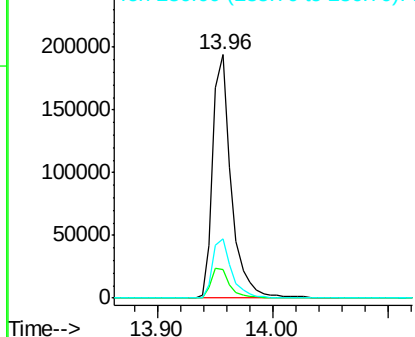


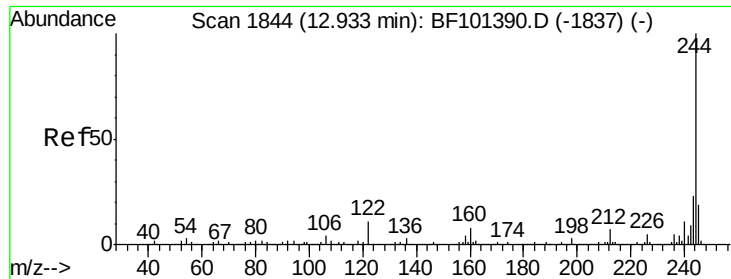
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.00 min  
Lab File: BF101888.D  
Acq: 4 Jan 2018 14:04

Tgt Ion:240 Resp: 215769  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.5 14.3  
236 24.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.485 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

Instrument :

BNA\_F

ClientSampleId :

PB105475BL

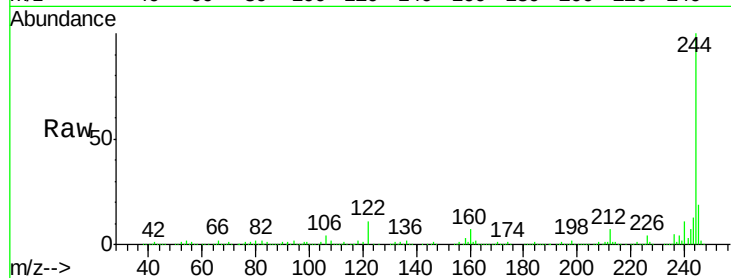
Tgt Ion:244 Resp: 747206

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

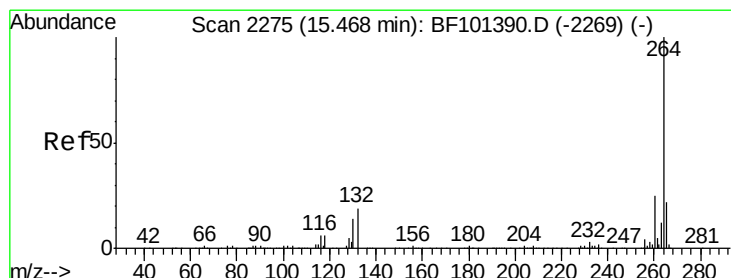
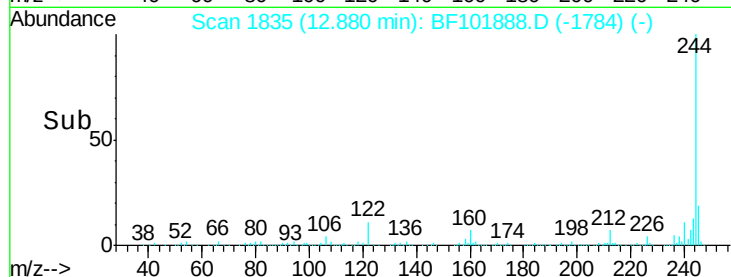
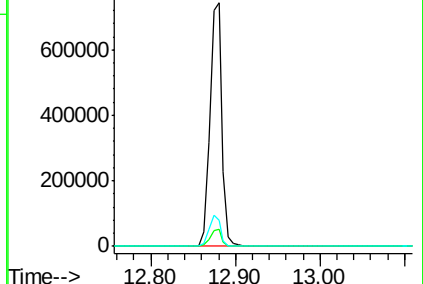
122 10.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF101888.D

Acq: 4 Jan 2018 14:04

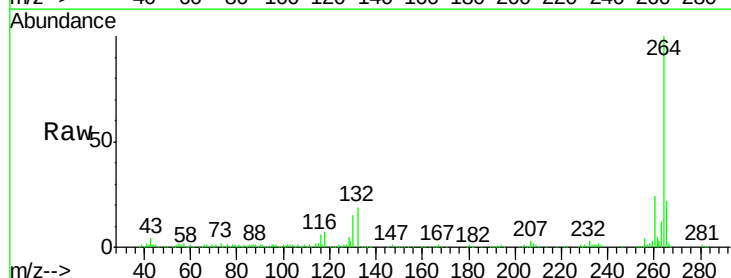
Tgt Ion:264 Resp: 238528

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

